Depth 6	Contents 7	Reference to last Measurement 8
6141 –		
24562 –		
30703 –		
6141 –		
614 –		
7004 –		
400 –		
5520 = w		

BR-01
21-04-14

RA Bill No. 1st & final

M.A.R. 57 (Rule 116)

Measurement Book

No. A/10 194656

Serial No. Code No. 008-14-000015

Name of work. Counts of c.c drain and from Cement Concrete road in Kodigehalli Village in ward no. 8 Kodigehalli Sub-Div. in Nagamangala Taluk

Name of Contractor or nature of Agency.....

Date of commencement of work. Work order EE/BYP/BBMP/E-PMC/2571/2013-14 Dt 31.01.2014

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
Item No. 1	Earth work Excavation by manual means in ordinary soil. including an average horizontal throw up to 2 meter and an average lift up to 0.50 mtr. on Kodigehally village						
	cc drain in 2nd Cross - RHS	1	30.00	1.00	0.45	22.50 Cum	
		1	15.20	1.00	0.45	9.90 "	
	cc road 1st Cross - RHS	1	30.00	1.00	0.45	22.50 "	
		1	15.20	1.00	0.45	11.40 "	
		1	12.50	1.00	0.45	9.38 "	
	cc Road 1st Cross	1	22.80	$\frac{3.6+3.15}{2}$	0.20	15.39 "	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	30.00	$\frac{3.85+3.9}{2}$	0.20	23.25 Cum	
		1	14.00	$\frac{3.9+4.0}{2}$	0.20	11.06 "	
		1	15.00	3.50	0.20	10.50 "	
		1	12.00	3.60	0.20	8.64 "	
		1	13.00	2.95	0.20	7.67 "	
	Cross Road A	1	8.70	1.50	0.20	2.61 "	
	Cross Road B	1	10.80	2.20	0.20	4.75 "	
	2nd Cross	1	30.00	$\frac{4.2+2.7}{2}$	0.20	20.70 "	
		1	27.40	$\frac{2.7+3.4}{2}$	0.20	16.71 "	
	Interior Road	1	34.50	$\frac{3.0+3.1}{2}$	0.20	21.05 "	
		1	30.00	$\frac{4.0+5.0}{2}$	0.20	28.50 "	

Serial No.....

Name of work.....

Name of Contractor of nature of Agency...

Date of commencement of work.....

Date	Full description, etc, of work
1	2
Item No 20	(2) Earth work excavation in Buildings, Culverts, ... Culverts 2nd ...

Depth 6	Contents 7	Reference to last Measurement 8
0.20	23.25 Cum	
0.20	11.06 "	
0.20	10.50 "	
0.20	8.64 "	
0.20	7.67 "	
0.20	2.61 "	
0.20	4.45 "	
0.20	20.70 "	
0.20	16.71 "	
0.20	21.05 "	
0.20	28.50 "	

M.A.R. 57 (Rule 116)

Measurement Book No. A/10 194657

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
		1	12.00	$\frac{5.5+4.5}{2}$	0.20	12.00 Cum	
		1	8.00	$\frac{4.4+4.4}{2}$	0.20	7.04 "	
		1	12.00	$\frac{4.0+4.5}{2}$	0.20	10.20 "	
					Total	275.75 Cum	
	Item-No (2) Earth work excavation for foundation of Buildings, Culverts, water Supply, Sanitary line - CR 65.55/Cum					Limited to 275.62 Cum	Rs 18067.00
	Culvert 2nd Location	1	3.60	1.35	1.20	5.83 Cum	
		1	3.40	1.35	1.20	5.51 "	
						11.34 Cum @	1344.00
						Limited to 8.90 Cum CR 150.98/Cum	

cc/fe

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item No. (3) providing and laying in position plain cement Concrete of mix M 7.50 with OPC Cement @ 180 kg using						
	transit mixer.						
	CC drain 2nd Cross Rd	1	30.00	1.00	0.15	4.50 cum	
		1	13.20	1.00	0.15	1.98 "	
	CC drain 2nd Cross Rd	1	30.00	1.00	0.15	4.50 "	
		1	15.20	1.00	0.15	2.28 "	
		1	12.50	1.00	0.15	1.88 "	
	CC Road 1st Cross	1	22.80	$\frac{3.6+3.15}{2}$	0.15	11.54 "	
		1	30.00	$\frac{3.85+3.9}{2}$	0.15	17.44 "	
		1	14.00	$\frac{3.9+4.10}{2}$	0.15	8.30 "	
		1	15.00	3.50	0.20	10.50 "	
		1	12.00	3.60	0.20	6.48 "	

Serial No.....

Name of work.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Num
1	2	3
	Cross Road in	
	Interior road	

Depth 6	Contents 7	Reference to last Measurement 8
... Plain Cement		
@ 180kgs ...		
0.15	4.50 Cum	
0.15	1.98 "	
0.15	4.50 "	
0.15	2.28 "	
0.15	1.88 "	
0.15	11.54 "	
0.15	17.44 "	
0.15	8.30 "	
0.20	10.50 "	
0.20	6.48 "	

M.A.R. 57 (Rule 116)

Measurement Book

No. A/10 194658

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Cross Road ↗	1	13.00	2.95	0.15	5.75 Cum	
		1	8.80	1.50	0.15	1.96 "	
		1	10.80	2.20	0.15	3.56 "	
		1	30.00	$\frac{4.2+12.7}{2}$	0.15	15.53 "	
		1	27.40	$\frac{2.7+3.4}{2}$	0.15	12.54 "	
		1	34.50	$\frac{3.0+3.1}{2}$	0.15	15.78 "	
	Interior road	1	30.00	$\frac{4.0+5.5}{2}$	0.15	21.38 "	
		1	12.00	$\frac{5.5+4.0}{2}$	0.15	9.00 "	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	8.00	$\frac{4.4+4.4}{2}$	0.15	5.28 Cum	
		1	12.00	$\frac{4.0+4.50}{2}$	0.15	7.65 "	
	Culvert	1	3.60	1.20	0.15	0.65 "	
		1	3.40	1.20	0.15	0.61 "	
						Total Quantity 169.07 Cum	
						Limited to 168.73 Cum	
	Recon. abo. ⑤ providing HYS steel reinforcement for RCC work including straightening, cutting, bending, hooking placing in position complete.					CR 4269.35/Cum Rs 720374.17	
	2nd Cross Rds	No. of bars	Length	Total Length			
	10mm	288	2.40	691.20			
	8mm	16	43/20	69.20			
	2nd Cross Rds 10mm	302	2.40	724.80			

CLTE
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12/2/14

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Serial No.....

Name of work.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Num
1	2	3
	8mm	1
	10mm	8
	8mm	1
	Culvert - 16mm Double mat	3
	12mm	2
	16mm Double mat	3
	12mm	2
	Deck Slab 16mm	1
	Crank rods	1

OK

	Depth 6	Contents 7	Reference to last Measurement 8
	0.15	5.28 Cum	
	0.15	7.65 "	
	0.15	0.65 "	
	0.15	0.61 "	
	Total Qty	169.07 Cum	
		168.43 Cum	
		CM 4269.39 /Cum	₹ 720374.17

M.A.R. 57 (Rule 116)

Measurement Book

No. A/10 194659

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Beam	16	45.20	423.20			
	Longm	84	2.40	201.60			
	Slab m	16	12.50	200.00			
	Culvert - 16mm Double mat	36	3.10	111.60			
	12mm	26	3.60	93.60			
	16mm Double mat	34	3.10	105.40			
	12mm	26	3.40	88.40			
	Deck Slab 16mm	18	1.20	21.60			
	Crank roads	18	1.50	27.00			

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	12mm	12	3.60	43.20 kg			
	16mm	17	1.20	20.40 "			
	Cc track rods	17	1.50	25.50 "			
	12mm	12	3.40	40.80 "			
	Total only 16mm ϕ		—	311.50 kg	1.58 kg/m	492.17 kg	
	" 12 " ϕ		—	266.00 kg	0.89 kg/m	236.74	
	" 10mm ϕ		—	1617.60 "	0.62 kg/m	1002.91	
	" 8mm ϕ		—	1614.40 "	0.39 kg/m	629.62	
					Total	2361.44 kg	
				Limited to tender only		→ 23.61 Qt	
						Rs 173343.29/ Rs 173387.59 only	

CC/FE

19/12/24

Serial No.....

Name of work.....

Name of Contractor of nature of Agen

Date of commencement of work.....

Date	Full description, etc, of work
1	2
Recm. do. (6)	proceeding and re
	and removal of formw
	CC Drain 2nd coat-a
	Bottom.
	CC drain 2nd coat R
	Culvert Bottom

Depth 6	Contents 7	Reference to last Measurement 8
1.58 kg/mt - 492.17 kg		
0.89 kg/mt - 236.74		
0.62 kg/mt - 1002.94		
0.39 kg/mt - 629.62		
Total 2361.44 kg		
To tender → 23.61 Qtl		
Only (Rs 7343.88) Rs 173387.59		
Only		

cuft

19/12/19

M.A.R. 57 (Rule 116)

Measurement Book

No. A/10 194660

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
Item No. 6	providing and removing Centering Shuttering, propping etc and removal of form work.						
	CC Drain 2nd Coat 1:2:4 Bottom.	4	30.00	-	0.45	90.00 Sqft	
		4	13.20	-	0.45	39.60 "	
	CC drain 2nd Coat 1:2:4	4	30.00	-	0.45	90.00 "	
		4	15.20	-	0.45	45.60 "	
		4	12.50	-	0.45	37.50 "	
	Culvert Bottom	4	3.60	-	0.90	12.96	
		4	3.40	-	0.90	12.24	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Culvert Deck Slab	1	3.60	0.80	-	2.88 Sqm	
	-bottom	1	3.40	0.80	-	2.72 "	
	Culvert Deck Slab						
	Side	2	3.60	-	0.23	1.66	
		2	3.40	-	0.23	1.56	
		4	1.20	-	0.23	1.10	
					Total	337.82 Sqm	
					Only		
	Item No. (4) providing and laying in position			Limited to		329.48 Sqm	
	reinforced cement concrete at design mix M20					@ Rs 269.75/Sqm Rs 88867.35	
	with OPC cement @ 320 kgs with 20mm & down size						
	CC drain 2nd Cross-LHS	1	30.00	0.90	0.10	2.70 Cum	
	Bottom						
	"	1	13.20	0.90	0.10	1.19 "	
	CC drain 2nd Cross RHS	1	30.00	0.90	0.10	2.70 "	

Serial No.....

Name of work.....

Name of Contractor of nature of Agen

Date of commencement of work.....

Date	Full description, etc, of work
1	2
	CC drain 2nd Cross LHS side wall
	CC drain 2nd Cross RHS
	Culvert Bottom
	Culvert Side wall

	Depth 6	Contents 7	Reference to last Measurement 8
	-	2.88 Sqm	
	-	2.72 "	
	0.23	1.64	
	0.23	1.56	
	0.23	1.10	
	Total	337.82 Sqm	
	Only		
		329.48 Sqm	
		@ Rs 269.72/Sqm Rs 88867.35	
	0.10	2.70 Cum	
	0.10	1.19 "	
	0.14	2.70 "	

M.A.R. 57 (Rule 116)

Measurement Book

No. A/10

194661

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
		1	15.20	0.90	0.10	1.37 Cum	
		1	12.50	0.90	0.10	1.13 "	
	CC drain 2nd Cross LHS Side wall	2	30.00	0.15	0.75	6.75 "	
		2	13.20	0.15	0.75	2.97 "	
	CC drain 2nd Cross RHS	2	30.00	0.15	0.75	6.75 "	
		2	15.20	0.15	0.60	2.74 "	
		2	12.50	0.15	0.60	2.25 "	
	Culvert Bottom	1	3.60	1.20	0.20	0.86 "	
		1	3.40	1.20	0.20	0.82 "	
	Culvert Side wall	2	3.60	0.20	0.90	1.30 "	
		2	3.40	0.20	0.90	1.22	

CC/EE Dey 24/2/14

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Culvert Deck Slab	1	3.60	1.20	0.23	0.95	
		1	3.40	1.20	0.23	0.94	
					Total Qty	36.67 Cum	
					Deduction to	36.39 Cum	
					CR	5611.56/Cum	Rs 203812.00
	Item No. 5 Rcc precast Covering Slab drain (10 Cm thick)						
	cc drain 2nd Cross RHS Bottom	1	30.00	0.45	–	22.50 Sqm	
		1	19.20	0.45	–	9.90 "	
	cc drain 2nd Cross RHS	1	30.00	0.45	–	22.50	
		1	15.20	0.45	–	11.40 "	
		1	12.50	0.45	–	9.38	
					Total	75.68 Sqm	
					Deduction to	75.00 Sqm	Rs 92509.00
						CR 1238.28/Sqm	

Serial No.....

Name of work.....

Name of Contractor of nature of Agency...

Date of commencement of work.....

Date	Full description, etc, of work	N
1	2	
Item No. 8	providing and laying granite jelly at road cc road 1st Cross	

Depth 6	Contents 7	Reference to last Measurement 8
0.20	0.95	
0.20	0.95	
Total Qty	36.67 Cum	
Brought to	36.32 Cum	
Cft	5611.56/Cum	Rs 203812.00
k)		
—	22.50 Sqm	
—	9.90 "	
—	22.50	
—	11.40 "	
—	9.38	
Total	75.68 Sqm	
Brought to	75.08 Sqm	Rs 92509.00
	Cft 1238.28/Sqm	

cu ft

Qty

M.A.R. 57 (Rule 116)

Measurement Book

No. A/10 194662

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
Item No. 10	(8) providing and laying Cement Concrete using damar x dewa type granite jelly of ready mixed Concrete (RMC) for the work						
	carried 1st Cross	1	22.80	$\frac{3.6+3.15}{2}$	0.10	7.70 Cum	
		1	30.00	$\frac{3.85+3.9}{2}$	0.10	11.63 "	
		1	14.00	$\frac{3.9+4.0}{2}$	0.10	5.53 "	
		1	15.00	3.50	0.10	5.25 "	
		1	12.00	3.60	0.10	4.32 "	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	13.00	2.95	0.10	3.84 Cum	
	Cross Road A	1	8.40	1.50	0.10	1.31 "	
	Cross Road B	1	10.80	2.20	0.10	2.38 "	
	2nd Cross	1	20.00	$\frac{6.2+6.2}{2}$	0.10	10.35 "	
		1	27.40	$\frac{2.7+3.4}{2}$	0.10	10.03 "	
		1	34.50	$\frac{3.0+3.10}{2}$	0.10	10.52 "	
	Interior Road	1	30.00	$\frac{4.0+5.5}{2}$	0.10	14.25 "	
		1	12.00	$\frac{5.5+4.50}{2}$	0.10	6.00 "	
		1	8.00	$\frac{4.4+4.4}{2}$	0.10	3.52 "	
		1	12.00	$\frac{4.0+4.50}{2}$	0.10	5.10 "	
	Culvert 2nd Cross	1	3.60	1.20	0.10	0.63	
		1	3.40	1.20	0.10	0.59	
					Total	102.55 Cum	

AE 14/5/14

CSFC 15/4/2015

S.O. (Sr.D)

Serial No.....

Name of work.....

Name of Contractor of nature of Agenc

Date of commencement of work.....

Date	Full description, etc, of work
1	2
	Certified that the w
	Satisfactorily
	AE 14/5

Depth 6	Contents 7	Reference to last Measurement 8
0.10	3.84 Cum	
0.10	1.31 "	
0.10	2.38 "	
0.10	10.35 "	
0.12	10.03 "	
0.10	10.52 "	
0.10	14.25 "	
0.10	6.00 "	
0.10	3.52 "	
0.10	5.10 "	
0.10	0.63	
0.10	0.41	
Total	102.55 Cum	

C&FC'
15/4/2015
M.B. (Pg. 2)

M.A.R. 57 (Rule 116)

Measurement Book No. A/10

19,57320=00
2585.95=

IT - 1957-
VAT - 78293-
Ser - 117434-
194663
Cess - 1957-
CST - 1957-
Rom - 21260-
Pen - 500-

Serial No.....

Name of work.....From 16,98,725=00 To.....

Name of Contractor of nature of Agency.....

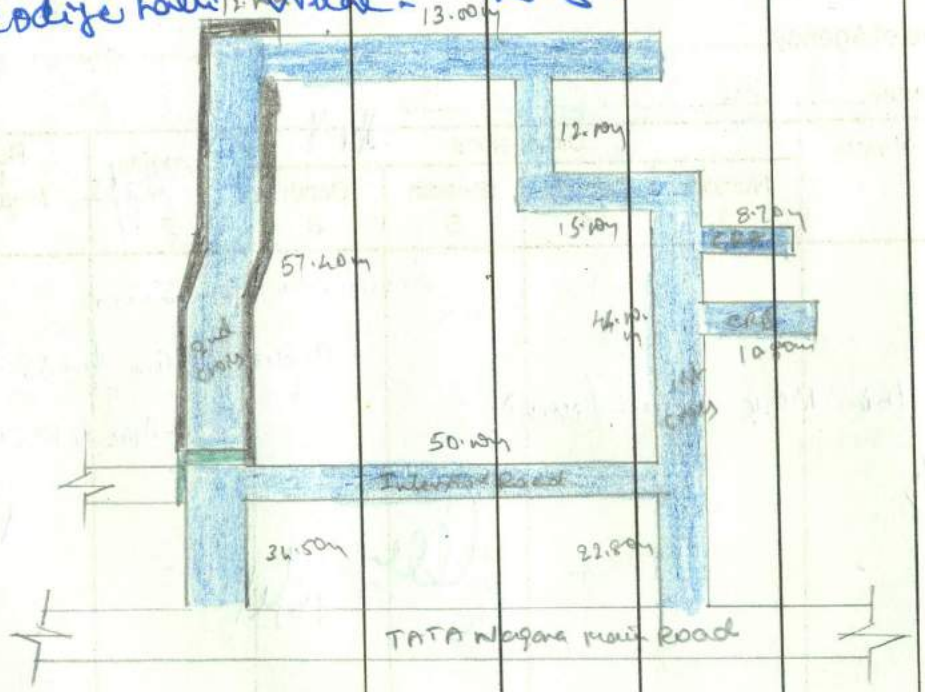
Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
					Brought to	102.38 Cum	
					CR. 6420.56/Cum	Rs 658565.00	
	Certified that the work done found satisfactorily				Total Amt	Rs 19,57,326.00	

15/4/15

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Sketch showing the cc. drain and cc. Road in Kodige halli village - N.S.						



cc Road
cc drain
culvert

15/11/15

RA Bill No 1st Final

Serial No..... Code no

Name of work. Construction of...

Name of Contractor or nature of Agency

Date of commencement of work.

Date	Full description, etc, of work
1	2
Year-wise	(1) Earthwork excavation involving an average cc drain Glass factory road. LHS & LHS & cc drain Glass factory road Silt removal.